

L1

1 S E3

FILE 'CA, CAPLUS, CAOLD, BIOBUSINESS, BIOSIS, CEN, CIN, CSCHEM, CSNB, IFICDB, TOXLIT, USPATFULL, IPA, PIRA, PROMT, VTB' ENTERED AT 09:44:27 ON 13 MAY 1999

L2 619 S 29759-38-4
L3 1901646 S EXTRACT?
L4 6 S L2 AND L3
L5 10 S L1 AND L3
L6 545108 S DISTILL?
L7 11 S (L1 OR L2) AND L6
L8 1514316 S SOLVENT
L9 53 S L8 AND (L1 OR L2)
L10 1954777 S ROSEMARY OR ORGANIC OR SAGE OR THYME OR GINGER OR MARIGOLD
L11 15 S L9 AND L10
L12 231012 S ANTIOXIDANT
L13 2 S L9 AND L12
L14 94161 S PERFUME
L15 6 S (L1 OR L2) AND L14
L16 0 S L8 AND L15
L17 15810 S (L3 OR L6) AND L14
L18 0 S L17 AND (L1 OR L2)

FILE 'REGISTRY' ENTERED AT 10:13:43 ON 13 MAY 1999

E ROSEMARY

E ROSEMARY/CN

L19 3 S E6 OR E7 OR E1 OR E12 OR E5

FILE 'AGRICOLA, ANABSTR, BIOSIS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DRUGU, EMBASE, MEDLINE, IPA, MSDS-OHS, NIOSHTIC, TOXLINE, USPATFULL, CAPLUS, CAOLD, BIOBUSINESS' ENTERED AT 10:32:34 ON 13 MAY 1999

L20 0 S (L1 OR L2) AND L19
L21 4 S (L1 OR L2) AND L12
L22 1255210 S L8 OR L6 OR L3 AND (L21)
L23 2 S (L8 OR L6 OR L3) AND (L21)
L24 1569109 S FOOD OR BEVERAGE OR PERFUME OR EDIBLE
L25 3 S L24 AND (L1 OR L2)

FILE 'CA, CAPLUS, CAOLD, BIOBUSINESS, BIOSIS, CEN, CIN, CSCHEM, CSNB,
IFICDB, TOXLIT, USPATFULL, IPA, PIRA, PROMT, VTB' ENTERED AT 09:44:27 ON
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L16 0 S L8 AND L15
L17 15810 S (L3 OR L6) AND L14
L18 0

L19 ANSWER 1 OF 3 REGISTRY COPYRIGHT 1999 ACS

RN 93348-55-1 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN **Rosemary, Rosmarinus officinalis genuina, ext.** (CA INDEX NAME)

DEF Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Rosmarinus officinalis genuina, Labiatae.

MF Unspecified

CI MAN, CTS

LC STN Files: CHEMLIST

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> d ide 2

L19 ANSWER 2 OF 3 REGISTRY COPYRIGHT 1999 ACS

RN 61486-69-9 REGISTRY

CN 2-Propenoic acid,

3-[5-formyl-3-(hydroxymethyl)-4-methoxy-2-oxo-2H-pyran-6-yl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

OTHER NAMES:

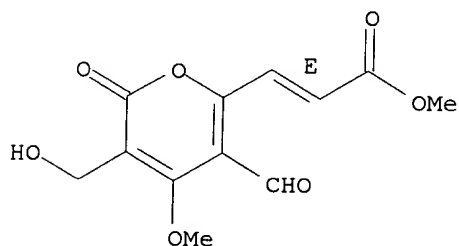
CN **Rosellisin aldehyde**

FS STEREOSEARCH

MF C12 H12 O7

LC STN Files: AGRICOLA, BIOBUSINESS, CA, CAPLUS, NAPRALERT

Double bond geometry as shown.



4 REFERENCES IN FILE CA (1967 TO DATE)

4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d ide 3

L19 ANSWER 3 OF 3 REGISTRY COPYRIGHT 1999 ACS

RN 8000-25-7 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN Oils, rosemary (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Essential oils, rosemary
CN Oils, essential, rosemary
CN **Rosemary oil**

OTHER NAMES:

CN Essential rosemary oil
CN Oils, Rosmarinus officinalis
CN **Rosemary essential oils**
CN **Rosemary leaf oil**
CN **Rosemary oil**
CN Rosmarinus officinalis leaf oils
CN Rosmarinus officinalis oil
DEF Extractives and their physically modified derivatives. Rosmarinum
officinalis, Labiatae.
MF Unspecified
CI MAN, CTS
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CHEMCATS, CHEMLIST, CIN, CSCHEM,
DDFU, DRUGU, EMBASE, IPA, MEDLINE, MSDS-OHS, NIOSHTIC, RTECS*, TOXLINE,
USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 1999 ACS
 AN 1998:677844 CAPLUS
 DN 129:306495
 TI Solvent extraction with fluorinated hydrocarbons
 IN Nicola, Mazin
 PA Advanced Phytonics Limited, UK
 SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM B01D011-02
 CC 63-4 (Pharmaceuticals)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9845013	A1	<u>19981015</u>	WO 98-GB1037	19980408
	W: US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	GB 2324050	A1	<u>19981014</u>	GB 98-7452	<u>19980408</u>
PRAI	GB 97-7130	<u>19970408</u>			

AB A process for the extn. of at least one relatively polar component from a material which may be naturally occurring or a synthetic mixt., the process comprising the steps of: (a) contacting the material with a solvent mixt. comprising a C1 to C4 fluorinated hydrocarbon, esp. 1,1,1,2-tetrafluoroethane (I) and a co-solvent having a dielec. const. (at 20 .degree.C) of at least 5; and (b) sepg. the charged solvent from said material, thereby to isolate said material. Ginger root was extd. with I and I mixed with 10% acetone. The ext. was dried to obtain an oil. The yield was 0.83 and 1.43% for I and the mixt., resp. acetone

ST solvent extn fluorinated hydrocarbon; ginger root ext tetrafluoroethane

IT Fluoro hydrocarbons

RL: NUU (Nonbiological use, unclassified); USES (Uses)
 (C1-4; solvent extn. with fluorinated hydrocarbons)

IT Marigold
 (flowers; solvent extn. with fluorinated hydrocarbons)

IT Sage (Salvia)
 Thyme (Thymus)
 (leaves; solvent extn. with fluorinated hydrocarbons)

IT Ginger
 (root; solvent extn. with fluorinated hydrocarbons)

IT **Rosemary**
 (solvent extn. with fluorinated hydrocarbons)

IT Alcohols, uses
 Amides, uses
 Carboxylic acids, uses
 Cyanides (inorganic), uses
 Inorganic acids
 Ketones, uses
 Nitro compounds
 Organic acids
 Sulfoxides

RL: NUU (Nonbiological use, unclassified); USES (Uses)
 (solvent extn. with fluorinated hydrocarbons)

IT Organic compounds, uses
 RL: NUU (Nonbiological use, unclassified); USES (Uses)
 (sulfur-contg.; solvent extn. with fluorinated hydrocarbons)

IT 811-97-2, 1,1,1,2-Tetrafluoroethane 7664-41-7, Ammonia, uses
29759-38-4, Tetrafluoroethane
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(solvent extn. with fluorinated hydrocarbons)